

Amendments to the specification:

Please amend the paragraph beginning on page 10, line 5 as follows:

A linear slide 30 that incorporates precision bearings supports and guides the plunge mechanism and the attached probe 26 through their linear reciprocating movements between a retracted pick-up position (Fig. 2B) and a forward test position (Fig. 2A). As shown in Figs. 3 and 4, the drive includes a lead screw coupled to a servomotor 31 and an air cylinder 32. The cylinder has a very limited stroke (about 0.100") and it is constantly under pressure. The pressure is adjusted to provide the desired contact force. When the DUT is driven against the DUT board 18, socket, contactor or the like, the cylinder is compressed slightly (about 0.050") thus providing the desired contact force. As will be understood by those skilled in the art, known sensors, limit switches and stops are positioned to sense the position of the plunge mechanism and coordinate its operation with other operations such as the application of the vacuum suction, an escapement mechanism for a site stop pin, and the conduct of the test. It takes about 100 msecs to plunge out or plunge back. One complete test track cycle (from the first DUT being ready to test to the second DUT being ready to test) takes about 500 msecs, with a theoretical test time of zero.